

NEWS LETTER

Society of American Bacteriologists

EDITOR FOR THIS ISSUE
HENRY W. SCHERP

260 CRITTENDEN BLVD.
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NUMBER 1

1953 OFFICERS AND COUNCILORS

<i>President:</i>	G. M. DACK, University of Chicago, Chicago, Illinois
<i>Past President:</i>	R. J. DUBOS, Rockefeller Institute for Medical Research, New York, N. Y.
<i>Vice-President:</i>	C. B. VAN NIEL, Hopkins Marine Station, Pacific Grove, California
<i>Secretary-Treasurer:</i>	J. H. BAILEY, Sterling-Winthrop Research Institute, Rennselaer, N. Y.
<i>Business Manager:</i>	F. C. HARWOOD, Mt. Royal and Guilford Aves., Baltimore 2, Maryland
<i>Councilors-at-Large:</i>	SARA E. BRANHAM, National Institutes of Health, Bethesda, Maryland
	C. H. WERKMAN, Iowa State College, Ames, Iowa
	J. E. BLAIR, Hospital for Joint Diseases, New York, N. Y.
	W. H. EWING, Communicable Disease Center, Chamblee, Georgia

Councilors Elected by Local Branches:

J. S. Youngner, Pittsburgh, Pennsylvania	Allegheny
R. B. Houlihan, Berkeley, California	Northern California-Hawaii
S. C. Rittenberg, Los Angeles, California	Southern California
Richard Thompson, Denver, Colorado	Colorado-Wyoming
P. B. Cowles, New Haven, Connecticut	Connecticut Valley
H. J. Shaughnessy, Chicago, Illinois	Illinois
L. B. Schweiger, Elkhart, Indiana	Indiana
Stanley Marcus, Salt Lake City, Utah	Intermountain
D. F. Holtman, Knoxville, Tennessee	Kentucky-Tennessee
Elizabeth I. Petran, Baltimore, Maryland	Maryland
W. W. Ferguson, Lansing, Michigan	Michigan
N. D. Duffett, St. Louis, Missouri	Eastern Missouri
C. A. Hunter, Topeka, Kansas	Missouri Valley
W. W. Umbreit, Rahway, New Jersey	New Jersey
Erwin Neter, Buffalo, New York	Central New York
Julia M. Coffey, Albany, New York	Eastern New York
Richard Donovan, New York, New York	New York City
J. L. Etchells, Raleigh, North Carolina	North Carolina
D. W. Watson, Minneapolis, Minnesota	North Central
L. W. Slanetz, Durham, New Hampshire	Northeast
O. B. Weeks, Moscow, Idaho	Northwest
J. M. Birkeland, Columbus, Ohio	Ohio
E. H. Spaulding, Philadelphia, Pennsylvania	Eastern Pennsylvania
A. E. de Arêa Leão, Rio de Janeiro, Brazil, South America	Rio de Janeiro
E. H. Lennette, Berkeley, California	U. S. A. representative to Rio Branch
Marion Hood, New Orleans, Louisiana	South Central
Mildred A. Engelbrecht, University, Alabama	Southeastern
R. M. Pike, Dallas, Texas	Texas
J. D. Reid, Richmond, Virginia	Virginia
J. E. Faber, Jr., College Park, Maryland	Washington, D. C.

Invited Members (Nonvoting):

J. R. Porter, Editor-in-Chief, THE JOURNAL OF BACTERIOLOGY; P. W. Wilson, Editor-in-Chief, BACTERIOLOGICAL REVIEWS; H. B. Woodruff, Editor-in-Chief, APPLIED MICROBIOLOGY; J. Y. Sugg, Chairman of the Program Committee; G. J. Jann, Chairman of the Division of General Bacteriology; Morris Schaeffer, Chairman of the Division of Medical Bacteriology, Immunology and Comparative Pathology; A. G. Lochhead, Chairman of the Division of Agricultural and Industrial Bacteriology; D. J. O'Kane, Chairman of the Division of Physiology; and J. H. Richardson, Supervisor of Local Branches

Council Policy Committee:

G. M. Dack, <i>Chairman</i>	J. H. Bailey, <i>Secretary</i>	
R. J. Dubos	C. B. Van Niel	J. R. Porter
J. H. Hanks (1953)	W. W. Umbreit (1954)	C. A. Stuart (1955)

ELECTIONS FOR 1953

The Tellers Committee for 1952, composed of C. Baxter McLaughlin, Chairman, Jean H. Coney, and Isabelle G. Schaub, met in Baltimore shortly after the first of December to count the ballots that had been received by the Business Office for the Secretary-Treasurer. The following officers were elected: President, **Gail M. Dack**; Vicepresident, **Cornells B. Van Niel**; Secretary-Treasurer, **John Hays Bailey**; Councilors-at-Large for the two year term 1953-1954, **John E. Blair** and **William H. Ewing**.

Dr. Sergei N. Winogradsky was elected to Honorary Membership; and **Professor Vezeaux de Lavergne**, to Corresponding Membership.

The proposed amendment to Article VIII of the Constitution was approved. ("Section 2 of Article VIII of the Constitution shall be revised to read as follows: 'At any Annual Meeting of the Society, five per cent of the membership shall constitute a quorum for the consideration of business. Business of exceptional importance, as determined by a majority of the members present and voting or by a majority of the Council Policy Committee, shall be subject to the final decision of the Society at large, as determined by a mail vote. In the transaction of business by mail (other than the election of officers, which is provided for separately in Article VI, Sections 4, 5, 6, 7, and 8) forty per cent of the membership shall constitute a quorum, provided that a reasonable time is allowed for the participation of the members in the business under consideration.'")

The actual tally of the votes follows:

Total number of ballots counted.....2214

President:

Gail M. Dack	
Yes	2128
No.	33
Ballots not voted.....	53
Total	2214

Vicepresident:

J. Howard Mueller.....	945
C. B. Van Niel.....	1226
Ballots not voted.....	43
Total	2214

Secretary-Treasurer:

John Hays Bailey	
Yes	2100
No.	19
Ballots not voted.....	95
Total	2214

Councilors-at-Large:

John E. Blair	1541
Jack J. R. Campbell.....	770
William N. Ewing.....	1173
Vernon T. Schuhardt.....	580

For Honorary Membership

Sergei N. Winogradsky	
Yes.....	2060
No.....	41
Ballots not voted.....	113
Total.....	2214

For Corresponding Membership:

Vezeaux de Lavergne	
Yes.....	1970
No.....	51
Ballots not voted.....	193
Total.....	2214

Amendment to Article VIII of the Constitution:

Yes.....	1871
No.....	110
Ballots not voted.....	233
Total.....	2214

ANNUAL MEETING, SAN FRANCISCO, AUGUST 10-14, 1953

The 53rd general meeting of the Society will be held from August 10th to 14th, 1953 in San Francisco with headquarters at the Palace Hotel. Hotel reservation blanks and the official forms for submitting abstracts and ordering reprints are enclosed with this issue of the *News Letter*. The deadline for receiving abstracts has been set at May 1, 1953, in order that *Bacteriological Proceedings* and the *Program* can be mailed at least two weeks before the meeting. The Program Com-

NOTICE

Members are requested to address all correspondence concerning applications for membership, payment of dues, changes of address, lost copies of the *Journals*, resignations and the like directly to:

Society of American Bacteriologists
Mr. Francis C. Harwood,
Business Manager
Mt. Royal and Guilford Avenues
Baltimore 2, Maryland
Remittances should be made payable
to: Society of American Bacteriologists.

mittee will arrange the program shortly after the deadline and authors whose papers are accepted will be notified as promptly as possible when their papers are to appear on the program.

The Local Committee in charge of arrangements, under the Chairmanship of Kendrick J. Taylor, has been hard at work for many months already, to ensure that the 1953 Annual Meeting will come up to the high standard of its predecessors. San Francisco is so well known as a delightful convention city that a banner turnout is expected. Details and additional announcements will appear in the next issue of the *News Letter* around May 1st.

Dr. James C. Lewis, Chairman of the Exhibits Committee, informs us that booth space will be available for members' scientific exhibits and that such exhibits are cordially invited. Booth space, 8 feet by 8 feet, fully draped and with a name plate, will be furnished free of charge by the Local Committee, but auxiliary services, furniture, trans-

portation, and other expenses must be borne by the exhibitor. Interested members should communicate with Dr. Lewis at the Western Regional Research Laboratory, Albany 6, California.

The complete Local Committee is as follows:

Chairman	Kendrick J. Taylor
Vice-Chairman	Ralph Houlihan
Treasurer	H. J. Phaff
Exhibits	James C. Lewis
Tours	A. S. Browne
Ladies' Activities	Mrs. L. Amy Darter
Session Rooms	Robertson Pratt
Hotel Reservations	Karol Hok
Registration	C. T. Townsend
Smoker	Lionel Farber
Reception and Banquet	Ernest Jawetz
Special Meals	M. P. Starr
History of Bacteriology	C. S. Mudge
Information	E. A. Adelberg
Publicity	C. E. Clifton

REPORT OF THE COMMITTEE ON CERTIFICATION AND PROBLEMS OF PERSONNEL

The newly appointed Committee on Certification and Problems of Personnel accepted the responsibility of deciding whether any group within the S. A. B. might profit by a plan of certification and agreed to submit a method of procedure should such a decision be reached. The present members consider themselves the nucleus of a larger committee which will be appointed as the need arises.

Our activities are still in the lag phase due for the most part to difficulty in getting a satisfactory delineation of the area we are to cover. Medical microbiology is the field of the Francis-Syvertson Subcommittee which continues to function as a separate unit toward the establishment of an American Board of Medical Microbiology to be sponsored by the A. M. A. Except for the medical field, no significant amount of interest has come to our attention. And we believe our efforts should be limited to those areas where the need for certification appears to exist.

It has been suggested that there is a *paramedical* group who would benefit from a certification plan. Thus far, however, we have been unable to distinguish between a medical and paramedical microbiologist. There is no doubt that the clinical laboratory worker, private and institutional, is a medical microbiologist. But the bacteriologist in a public health laboratory, the medical school teacher and the research man in a pharmaceutical laboratory also consider themselves medical microbiologists. And among these people there seems to be a keen interest in certification.

It appears to us unlikely that the A. M. A. will approve in the near future the establishment of an American Board of Medical Microbiology under the plan proposed by the Francis-Syvertson Sub-

committee. Therefore, we believe we should concern ourselves with the practicability of certification in medical microbiology by an agency which is independent of the A. M. A. Such a plan is already in existence in a related field as the result of the formation of the American Board of Clinical Chemists in December 1950. The high standards for postdoctorate certification set up and adhered to by that Board may well serve as a guide to an acceptable procedure in medical microbiology.

The problem of professional status is not limited, of course, to microbiologists or chemists. One group which was organized primarily to deal with that very question is the American Society of Professional Biologists. Under the auspices of the A. S. P. B. a "Conference Table" was held in Cleveland on October 20 for the purpose of exchanging ideas about the relationship of the basic medical sciences to the field of medicine. Several societies, including the College of American Pathologists, were invited to send representatives. Except for the College, all of them accepted. These were the American Society of Professional Biologists, National Association of Clinical Laboratories, American Association of Clinical Chemists, Conference of State and Provincial Public Health Laboratory Directors, Laboratory Section of the American Public Health Association and the S. A. B. The four members of our committee were present, as well as Dr. Bailey, the incoming Secretary-Treasurer.

As anticipated, the major interest expressed by one group was not the same as another's. The National Association of Clinical Laboratories, for example, is deeply concerned with legislative problems, whereas the American Association of Clinical

Chemists has progressed further by virtue of its own certifying Board to a consideration of methods for standardization of training and for raising the level of laboratory work. Nevertheless, there was general agreement on two counts. First, a relatively new profession has arisen from the increasingly important services of the medical laboratory. It is made up of both M. D.'s and non-M. D.'s. Second, the performance of a laboratory test on clinical material, including the interpretation of the results *per se*, does not constitute the practice of medicine. That is the practice of medical microbiology. Let it be clearly understood, however, that the interpretation just referred to does *not* include the significance of those results with respect to a particular patient.

The "Conference Table" voted to take steps toward the permanent organization of an intersociety conference. A formal statement of purpose and objectives should be ready in a few weeks at which time it will be presented to the S. A. B. for consideration. The decision to become or not to become a member society in the Conference must await the appearance of that statement. In the opinion of your committee, however, the S. A. B. should be represented in any formulative meetings that may be held in the interim.

The greatest factor contributing to the uncertain status of the Ph.D. and D.Sc. in microbiology is variation in didactic training. Until standardized curricula are established it may be well nigh impossible to set up satisfactory criteria for certification. Therefore, it is our intention to work as closely as possible with Dr. Evans' Committee on Curricula toward the eventual proposal of a plan for certification in medical microbiology which presumably should be sponsored by the S. A. B. It is our hope that the Francis-Syvertson Subcommittee will be successful in its objective so that the membership may be able to consider the relative merits of two plans.

Lester O. Krampitz
Norman C. Laffer
Morris L. Rakieta
Earle H. Spaulding, Chairman

(Comment by the outgoing Secretary-Treasurer: The members of the S. A. B. must realize that the work of this committee in intersociety conferences will require financial support from the Society, for which the Committee will have to apply to the Council. Councilors in turn will be able to make an intelligent appraisal of the probable desirability of the project only if they have evidence of member sentiment. It is urged, therefore, that all interested members communicate their views to their Councilors. In this way only can a representative form of government operate successfully.)

THE ELI LILLY AND COMPANY AWARD

Wanted: Nominees of outstanding accomplishments in bacteriological and immunological research.

For: The 16th Eli Lilly and Company Research Award in Bacteriology and Immunology.

When: Now or before April 1, 1953.

The Eli Lilly and Company Research Award of \$1,000 and a bronze medal is made for the purpose of stimulating fundamental research in bacteriology and immunology in the United States and Canada by a young man or woman working in a noncommercial or educational institution. An additional sum of \$150 or as much thereof as may be necessary, is available toward traveling expenses of the recipient. It is customary to announce the award winner and make presentations of the medal and check at the banquet of the annual meeting of the Society. At the general meeting of the Society, usually the morning following the banquet, the winner of the award presents a paper describing his work in the field of research for which the award was made.

To be eligible for the award a nominee shall not have passed his thirty-fifth birthday on April 30th of the year of the award and shall have accomplished outstanding research in bacteriology and immunology.

For the purpose of this award in bacteriology and immunology, outstanding research is understood to be that which is of unusual merit in the younger age group. The research is not to be judged in comparison with the work of more mature and experienced workers, and in judging the various researches, special consideration shall be given to the independence of thought and originality shown.

The award is administered and made annually by an Award Committee of four, consisting of two members from the Society of American Bacteriologists and one each from the American Association of Immunologists and the American Society for Experimental Pathology. This Award Committee considers only nominations made to it by the Nominating Committee, consisting also of four members, and similarly constituted in a two, one, one ratio from the three societies. No person shall send in more than one nomination. Nominations shall be accompanied by a brief biographical sketch of the nominee, including date of birth, and by a list of his publications, if any, with the specific reference to the research on which the nomination is based. The sketch and information should be in the form of five copies for distribution to members of the committees concerned.

The nominations must be received and reviewed by the Nominating Committee. All found in order

and eligible will be forwarded by the chairman, Geoffrey W. Rake, to the Award Committee which examines eligible nominations and selects one for the award. The individual selected must be notified at least three or four weeks prior to the annual meeting so that he can arrange to be present and may have time to prepare a suitable address, which has in recent years been published in a Society Journal. The Award Committee customarily notifies the Secretary-Treasurer of its decision and he, in turn, notifies the recipient, Eli Lilly and Company, and makes such other arrangements as necessary.

It is hoped that a suitable number of nominations may be made for 1952, so that, as in previous years, the choice will represent a selection from at least six qualified individuals.

Nominations for the 1953 Award, drawn up as directed above, should be prepared at once and submitted to Dr. Geoffrey W. Rake, Chairman, Eli Lilly Award Nominating Committee, E. R. Squibb & Sons, 745 Fifth Avenue, New York 22, New York. The other members of the Nominating Committee are L. O. Krampitz (S. A. B.), H. P. Smith (A. S. E. P.), and Jules Freund (A. A. I.). The Award Committee for 1953 comprises W. J. Nungester, Chairman, C. H. Werkman (S. A. B.), P. D. McMaster (A. A. I.), and D. H. Sprunt (A. S. E. P.).

Previous recipients of the Award are

- 1936 Harry Eagle
- 1937 Frank L. Horsfal, Jr.
- 1938 Jerome T. Syvertson
- 1939 John G. Kidd
- 1940 Dilworth W. Woolley
- 1941 Alwin M. Pappenheimer, Jr.
- 1942 Harland G. Wood
- 1945 Esmond E. Snell
- 1946 Maclyn McCarty
- 1947 Wayne W. Umbreit
- 1948 Alan W. Bernheimer
- 1949 Elvin A. Kabat
- 1950 Roger Y. Stanier
- 1951 Seymour S. Cohen
- 1952 J. Oliver Lampen

COMMERCIAL SOLVENTS AWARD IN ANTIBIOTICS

Wanted: Nominees of outstanding accomplishments in antibiotic research.

For: The Commercial Solvents Award in Antibiotics.

When: Nor or before April 15, 1953.

The Commercial Solvents Corporation Award was established in 1950 for the purpose of stimulating fundamental research in the field of antibiotics. The award consists of \$1,000 and a bronze

medal plus an additional sum of \$150 or as much thereof as may be necessary to defray the traveling expenses of the recipient. Eligibility for the award is confined to any person or group of persons, residing in the Western Hemisphere, who have contributed outstanding work in the field of antibiotics during the preceding year or whose work became recognized as outstanding in that year or whose work reached fruition during that year.

In selecting the winner of the award particular attention is given to the basic nature of the research and its contribution to fundamental knowledge about the antibiotics. This includes the discovery of antibiotic agents, their isolation, their identification, synthesis, mode of action or role in the development or selection of resistant microorganisms. Work relating solely to the pharmacology or clinical efficacy of antibiotics will not be considered within the scope of the present award.

The award is administered by the Society of American Bacteriologists, the recipient being selected by a committee appointed by the President of the Society. The Committee solicits nominations of candidates for the next award. Nominations may be made by any member of the Society and a member may nominate himself. The nomination should include a brief description of the candidate's work in the field of antibiotics with a statement as to its significance and references to published papers. There are no limitations with respect to age nor with respect to the institution in which the work was done.

Nominations should be sent in triplicate to Dr. John Hays Bailey, Sterling-Winthrop Research Institute, Rensselaer, New York, Chairman of the Award Committee, and should be in his hands not later than April 15, 1953. The other members of the Award Committee for 1953 are Dr. Gladys L. Hobby and Dr. Thomas B. Turner. It is intended to make the award at the Annual Meeting in San Francisco.

REVISION OF THE BUSINESS MANAGEMENT SERVICE AGREEMENT

The experience of the last two years has indicated the desirability of modifying in several ways our Business Management Service Agreement with The Williams and Wilkins Company. Presented below, therefore, is the revised agreement which emerged from discussions with representatives of the Company, and which has been approved by the Council.

The essential changes are fourfold: separation from the Agreement of the charges for the production of the *News Letter*; calculation of the charges for service on a per member basis; more precise and detailed statement of the services to be ren-

dered by the Company; and reduction of the Business Manager's bond.

The terms of the original Agreement of October, 1950 were devised by estimating as nearly as we could the ordinary or routine expenses of the Secretary-Treasurer's Office as it was being operated by Dr. Blair during 1950, including the cost of producing and distributing the *News Letter*. The Company then agreed to the experiment of performing the same services in a different framework for the same cost (\$8,500) during 1951. Experience showed that the estimates were reasonably accurate. For 1952, an increase of 10 per cent in the maximal charge was agreed upon in view of the increased membership of the Society and of the prevailing inflation. We will not know until the close of the year, of course, what the actual costs have been.

Based on the *News Letter* of 1949 and 1950, an annual quota of 64 pages of the present format was determined. In conformity to what seem to be the wishes of our members, however, the *News Letter* has undergone a considerable development and has regularly exceeded the quota. The extra pages have been paid for as separate charges, the computations of which have been somewhat of an inconvenience. Expressed in another way, the *News Letter* is a varying item, whereas the Agreement was designed to cover routines. Furthermore, it became evident that the Business Office had very little function to perform in the production of the *News Letter*—that was essentially a transaction between the Editor (the Secretary-Treasurer) and the printer (Waverly Press). It was recommended, therefore, that the terms covering the *News Letter* be revised as in paragraph 2(m) of the enclosed draft. As will be seen below, the cost of 64 pages of *News Letter* has been omitted from the new computation of costs of the Business Office function.

In his original letter of 9 August 1950 to the C. P. C., setting forth the tentative terms of a Business Management Service, Mr. William Pasano, Secretary of The Williams and Wilkins Company, stated that the most logical basis for computing charges would be per capita, since the kind of services contemplated would be essentially proportional to the number of members. This basis did not seem feasible, however, until some experience had been gained. It is felt that the change can be made conveniently at this time and indeed should be made, in view of the rate at which our membership has been increasing. In addition, we have a turnover of from 200 to 300 each year. These delinquents, by the terms of the Constitution and Bylaws, must be carried on the books as active members until their dues are one year in arrears. They do not receive the Society's publications but they are perhaps more expensive to carry, if anything, than paid-up members since

they have to be segregated and sent follow-up notices. Allowance for this situation is provided by the method of enumeration set forth in paragraph 4. Separate provision is made for Emeritus, Retired, and Corresponding Members and for the Press List (complimentary recipients of the *News Letter*, primarily), for whom the Business Office estimates that only a third as much service is rendered.

The charge of \$1.50 per year per active or sustaining member was computed from the costs for 1951, less the cost of the *News Letter* and several miscellaneous nonrecurring items, as follows. Reference may be made also to Schedule B of the annual report of the Secretary-Treasurer, page 27, April 1952 *News Letter*.

Expenses for 1951 per Schedule B.	\$7588.47
Less:	
News Letter.	\$1251.45
Additional News Letter envelopes.	126.53
Additional News Letter postage.	302.44
Business Manager Expense.	336.27
Miscellaneous.	43.77
	<hr/> 2060.46
Revised Expenses.	5528.01
Light, Heat, Rent, Use of Office Equipment (15% of \$5528.01).	829.20
	<hr/>
Total revised cost for 1951, new basis.	\$6357.21

Please note that the Company believes very firmly that the lower figure for Light, Heat, etc. (\$829.20 compared with the original figure of \$1138.20) should be applied actually to the charges for 1951. On this basis, the original deficit of \$226.59 on 1951 operations becomes a credit of \$82.41, which sum has been refunded to the Society. This revision points up some of the complexities of adjustment in the Business Management Service and I cite it also as exemplifying the good faith of the Company.

The number of active and sustaining members at the beginning of 1951 was 4028 and 610 were added during the year for a total of 4638. Dividing \$6357.21 by 4638 gives a figure of \$1.37 per member. Addition of the 10% increase agreed upon for 1952 gives a round sum of \$1.50. It is understood, of course, that this is a ceiling figure.

The detailed statement of the services to be rendered by the Company (paragraph 2) seems to need no comments—it follows closely the summary given by Mr. Harwood in the April 1952 *News Letter*.

Under the terms of the present Agreement, the Business Manager is under bond in the amount of \$10,000 at a cost of \$4.00 per thousand. This is not a large item of expense but it appears to be

largely unnecessary. The Business Manager has access to no more than a few dollars at any one time, mostly in the form of dues paid in cash. The Company does not bond any of its employees in similar capacities, for that reason. Nevertheless, it has seemed wise to retain the principle, but to reduce the coverage to \$1,000.

MANAGERIAL SERVICE AGREEMENT

THIS AGREEMENT made this _____ day of _____, 1952, and to become effective on the first day of January 1953, by and between the Society of American Bacteriologists, a corporation duly organized under the laws of the District of Columbia, hereinafter called the *Society*, and the Williams and Wilkins Company, a body corporate duly organized under the laws of Maryland, hereinafter called the *Company*,

WITNESSETH:

Whereas, under the terms of an agreement made on 30 October 1950, the Company has furnished since 1 January 1951 without monetary profit to itself certain services to the Society, to wit, limited managerial handling of certain routine functions of the office of the Secretary-Treasurer of the Society,

and whereas the Society desires to continue to purchase such services,

and whereas the interim experience has indicated the desirability of certain revisions of the agreement hereinbefore mentioned, in the interests of increased efficiency,

now therefore in consideration of mutual covenants and agreements herein contained, the parties hereto agree as follows:

(1) **BUSINESS MANAGER.** The Company undertakes to appoint, subject to the approval of the officers of the Society, a member of its organization as Business Manager of the Society. This person shall be one of stature, intelligence and competence with the necessary ability, energy and initiative to perform the executive function. He shall have at his command the complete facilities of the Company, including stenography, typing, mailing list service, accounting, billing, collecting and copy writing. He shall conduct his functions normally under the direction of the Society's Secretary-Treasurer or, when the latter is prevented from functioning, under the direction of the Council Policy Committee of the Society.

In effect, the officers and members of the Society will deal with the Manager as though he were the employee of the Society; and he in turn will make use of the Company's organization to aid him in carrying out the following services to the Society.

(2) **SERVICES TO BE RENDERED BY THE BUSINESS MANAGER TO THE SOCIETY.**

Subject to the policy-making direction of the Secretary-Treasurer of the Society, the Business Manager shall:

(a) Conduct routine correspondence with members of the Society and others; issue statements to members for dues; and maintain the member mailing list;

(b) Manage the bookkeeping and accounting for the Society's funds, under bond for the sum of \$1,000.00;

(c) Distribute ballots for the annual elections.

(d) Supply manuscript for the membership directory in the manner of the 1952 version, supervise its production under instruction from the Secretary-Treasurer, and handle sales of it as indicated;

(e) Attend the annual meeting of the Society, if necessary, and assist the Secretary-Treasurer there at in such manner as the Secretary-Treasurer may require;

(f) Forward to proper officer of the Society or committee chairman mail not intended for the business office.

(g) Conduct correspondence with members and nonmembers of the Society for all matters pertaining to membership from application to payment of dues, complaints, non-receipt of journals, changes of address, resignations, and the like.

(h) Render invoices and conduct necessary correspondence with sustaining members.

(i) Send application blanks to prospective members with letter of instruction.

(j) Send bills for annual dues to members for the ensuing year in the Fall of the current year. Also mail ballot, ballot envelope, and return envelope to each active member.

(k) Send second and third reminders to delinquent members on or about February 15 and March 15, as may be required, and final notice with the next annual bill for dues.

(l) Properly record payments received and make bank deposits. Draw up check and voucher for payment to publisher for all new and renewal subscriptions to be entered for the *Journal of Bacteriology* and *Bacteriological Reviews*. Report complete mailing address for each member to the publisher.

(m) Set press run and place order with Waverly Press for production of each *News Letter* and necessary enclosures. Supervise addressing of special envelopes for *News Letter* from entire active membership list and additional categories and preparation of 3rd class permit mail. This will be done four times each year. (Under the terms of the original agreement dated 30 October 1950, the Company was charged also with the cost of printing, addressing, preparing for third class mailing, and mailing the *News Letter*, as well as the cost of printed *News Letter* envelopes and postage. Under this new agreement, the Society will be charged with these costs.)

(n) Send new members latest *News Letter*, Dr.

Morton's "Visual Instructions" and list of films, Directory, and letter of welcome into the Society.

(o) Compile list of new members for each *News Letter* and submit for approval to the Membership Advisory Committee and to the Council.

(p) Supervise mailing of Program before annual meeting.

(q) Mail *News Letter* to each Publisher whose book is reviewed therein.

(r) Prepare budgets and financial statements as requested.

(s) *Other Services.* The facilities of the Company shall be available at all times to the Secretary-Treasurer for such non-routine purposes as the preparation of special reports, notices, or circulars and their distribution to the members of the Society or of the Society's Council, or of the Society's Council Policy Committee, but the cost of such non-routine services shall be deemed to fall outside the terms of this Agreement and shall be a separate charge against the Society.

(3) **FUNDS OF THE SOCIETY.** All funds received by the Business Manager for the Society shall be deposited in an account established in the name of the Society at the First National Bank, Baltimore, Maryland. Such funds shall be subject to withdrawal only by the Secretary-Treasurer and/or President of the Society.

(4) **COST.** For the calendar year 1953, the Company agrees to furnish the services specified in paragraphs 2(a) through 2(r) and the necessary facilities and supplies, including the salary and travel expense of the Business Manager, at a cost not to exceed \$1.50 per active or sustaining member of the Society, plus \$0.50 for each Emeritus, Retired, and Corresponding Member, and for each name on the Press list, to be paid by the Society on monthly invoice rendered by the Company. For the purposes of the present agreement, the number of active and sustaining members of the Society shall be calculated as the number of paid-up active and sustaining members as of 1 January 1953 plus such new active and sustaining members as may be acquired during 1953; and a similar basis of calculation shall apply to any renewal of the present agreement.

(5) **BUSINESS OFFICE OF THE SOCIETY.** For the purposes of this undertaking, the business office of the Society shall be located at the premises of the Company, Mt. Royal and Guilford Avenues, Baltimore 2, Maryland. Accordingly, the official designation and address of the Society's business office shall be:

Society of American Bacteriologists
Business Office
Mt. Royal and Guilford Avenues
Baltimore 2, Maryland

It is expressly agreed by the Company that it will exercise due caution that its name shall not appear on any letterheads, envelopes or other communica-

tions issued in the course of providing the services specified in paragraph (2).

(6) **ACCOUNTING.** The Company agrees to keep detailed records of the actual costs incurred during the year 1953 for materials, postage, printing, travel expense, and the time expended by the various persons in the Company called upon to perform the services required under paragraph 2(a) through 2(r), and to make these records available to the Society as a basis for future charges if the parties hereto should decide to renew this Agreement or a revision thereof.

(7) **TIME.** It is agreed by the Society and the Company that this Agreement shall be in force for the calendar year 1953 and shall terminate at the close of business on 31 December 1953. Renewal or renegotiation of this Agreement may be initiated by either party hereto upon due notice to the other party, said notice to be submitted not later than 1 October 1953 or 1 October of any year of any renewal.

As Witness, the corporate names of the parties hereto, subscribed by their Presidents, with their seals affixed, duly attested the day and year first above written.

Attest:

THE SOCIETY OF AMERICAN BACTERIOLOGISTS
By

President

Secretary-Treasurer

THE WILLIAMS AND WILKINS COMPANY
By

President

Treasurer

WHAT'S IN A NAME?

It has been brought to our attention that the Board of Governors of the College of American Pathologists has worked out a definition of the field of pathology that can be applied to activities encountered by specialists in that field:

"Pathology is that branch of natural science which treats of the causes and nature of disease, together with the anatomical and functional changes incident thereto; the practice of human pathology is that specialty in the practice of medicine which may contribute to the diagnosis, treatment, observation and understanding of the progress of disease or medical condition in the human subject by means of information obtained by morphologic, microscopic, chemical, microbiologic, serologic, or any other type of laboratory examination made on the patient or on any material obtained from the human body."

Taken literally, it seems to us that this definition

might be interpreted fairly to mean that the practice of human pathology is concerned with the application to patient care of information obtained by laboratory examinations and not with the obtaining thereof. An increasing number of workers in "laboratory medicine" holds the opinion that the laboratory worker who conducts for a physician an examination of a specimen submitted by him is not engaging in the practice of medicine any more than is the pharmacist who compounds a prescription for him. If we were confident that the foregoing interpretation represented the intent of the pathologists' definition, we would feel that great progress had been made. As we pointed out in the November *News Letter*, and as others have pointed out repeatedly, the essence of the whole problem is to determine at exactly what point the work of the laboratory becomes the practice of medicine.

MEMBERSHIP

In accordance with our custom of some years' standing, we enclose with this issue of the *News Letter* a form for application for membership in the S.A.B. Although our membership has been increasing at a phenomenal rate in recent years, much correspondence has crossed the desk of the Secretary-Treasurer to the effect that there remains nevertheless a large group of nonmember workers in microbiology who would be interested in the S.A.B. if someone took a little trouble to tell them about us. As every member knows, the "entrance requirements" of the S.A.B. are most liberal. Indeed, we have been criticized variously, from within as well as from without, because our intake is "indiscriminate." On the other hand, many of us feel that the open door policy is an important source of the Society's vitality. Actually, the records show that only a small fraction of our members do not have at least a bachelor's degree. The Secretary-Treasurer has had contact during the last couple of years with a number of members, for whom their membership in the Society provided an important stimulus to go on to more advanced training. Use the membership application. Look around you. See who of your colleagues does not belong. Tell him what the Society is doing and encourage him to join. Surely the cost is nominal: less than the daily purchase of a newspaper.

NOTE TO THE FRIENDS OF BARNETT COHEN

It was so characteristic of Barnett Cohen to keep considerations of himself in the background that many of his friends may have had, like the Secretary-Treasurer, no knowledge of his family and may thus have been prevented from communicating with them. His family would be most pleased to receive from his friends messages in

remembrance of Barney. Those so moved, and we are sure that they will be many, should write to Barney's sister, Mrs. William Rosenberg, 242 Coleridge Street, Brooklyn 35, N. Y.

A SUMMER COURSE IN THE PRINCIPLES AND TECHNIQUES OF TISSUE CULTURE

The Tissue Culture Association is again sponsoring a course of instruction in the principles and techniques of cell and tissue culture. The course will be under the direction of Dr. John H. Hanks, The Leonard Wood Memorial, Harvard Medical School, and will be given in the laboratories of the Mary Imogene Bassett Hospital, Cooperstown, N. Y. It will start on July 8 and end on July 30. Tuition will be one hundred dollars.

The five basic methods of cell culture are employed in the laboratory work. The morning work includes a review of the principles and techniques pertaining to the main event of the laboratory work, and a demonstration of the procedures to be used. Each participant prepares and manages his own cell cultures. Afternoons afford opportunity for library work and for consultation with the staff concerning the projects contemplated by each of the class members. Evening lectures to broaden horizons are given by members of the staff and by distinguished guest lecturers.

The course is designed specifically for post graduates (M. D. or Ph. D.) who plan to use cultured tissues in their research or teaching. Requests for application forms should be addressed to Dr. Mary S. Parsley, College of Physicians and Surgeons, 630 West 168th St., New York 32, N. Y., and should be completed and returned to her not later than April 15th. Successful candidates will be notified about May 1st.

LABORATORY TRAINING COURSES

The United States Public Health Service has announced a series of laboratory refresher training courses to be given by the Communicable Disease Center during 1953. These courses will each last for from one to three weeks and will offer instruction in the laboratory diagnosis of a variety of bacterial mycotic, parasitic and viral diseases. They will be given variously at Chamblee, Georgia and Montgomery, Alabama. Information and application forms may be obtained from the Chief, Laboratory Training Services, Communicable Disease Center, U. S. Public Health Service, P. O. Box 185, Chamblee, Georgia.

JOURNALS WANTED

The Department of Bacteriology of the University of Connecticut, Storrs, Conn., needs volume 10 (1925) of the *Journal of Bacteriology* in order to complete a broken set. Anyone having this volume

for sale please communicate with either Dr. W. L. Kulp or Dr. Stanley E. Wedberg.

Dr. Henry W. Scherp, University of Rochester School of Medicine and Dentistry, 260 Crittenden Boulevard, Rochester 20, N. Y., needs No. 2 of Volume 2 (December 1938) of *Bacteriological Reviews* to complete a set. If no one has an extra copy of this issue for sale, offers of the entire volume will be considered gladly.

NEW BOOKS

Zinsser's Textbook of Bacteriology (tenth edition). David T. Smith and Norman F. Conant, Ed. (with Joseph W. Beard, Hilda Pope, D. Gordon Sharp and Mary A. Poston). New York: Appleton-Century-Crofts, Inc.; 1952. xv + 1012 pp., 330 figs. \$11.00.

It is evident that great pains were taken in revising the ninth edition of this textbook. It appears to have been completely reset in a pleasing new sharper type face, which requires no more space than the old. Mechanical stratagems have made better use of space (e.g., 25 pages were gained by streamlining the table of contents). Graphs are reproduced as negative rather than positive prints. There are few typographical errors (e.g., glycine for glycine in Fig 38). This edition is profusely, almost excessively, illustrated; 132 new illustrations have been used and some old ones discarded, for a net increase of 79. The illustrations are of generally high quality, especially the electron micrographs of bacteria and viruses, and the various mycologic illustrations. One regrets to observe that the printer has not reproduced some of the cuts as well as he did in the eighth edition in 1939. This has been a common cross for authors to bear in the post-war period. The use of bold face type to emphasize points, or whole sentences deemed especially important, has been extended greatly, to the distress of the present reviewer, who would prefer to have the student exercise his own selectivity and do his own underlining, if underlining there must be.

The editors state that every chapter has been either extensively revised or completely rewritten. The text does indeed give the general impression that slack has been taken up, chaff has been winnowed, and the ship has been trimmed. When one contemplates the mass of new bacteriologic knowledge that has been accumulated during the 13 years since the eighth edition appeared, and observes that it is covered in the present volume with an increase of only 22 pages, without reading like the various Annual Reviews (useful though these be), one realizes how tremendous must have been the task of deciding what was relevant material. Although large sections of the text are substantially unchanged from the ninth edition, except for the addition of newer material, others have been altered extensively. The General, Bac-

terial, and Technical Sections have been condensed moderately, Immunology has been expanded slightly, and Rickettsiae receive 50% more space. The Viral Section is not only a third longer but is written commendably more from the viewpoint of the natural relationships of viruses (so far as our present knowledge permits) rather than from the traditional nosologic standpoint.

This volume should find acceptance with many teachers of pathogenic microbiology.

Metabolic Maps. W. W. Umbreit. Minneapolis, Minn.: Burgess Publishing Co.; 1952. 439 pp. \$6.00.

In the course of his numerous treks along the metabolic pathways in the morass known as bacterial metabolism, which have earned him a deserved reputation as an intrepid explorer of the outer fringes, Dr. Umbreit has found it useful to assemble "metabolic maps" for his guidance. These resemble the chemist's flow sheets and, as the author states, in the present state of our metabolic ignorance may be likened to the Bostonian's map of the United States—pretty reliable out to Wellesley with fair detail as far as Worcester but beyond that all is impenetrable forest and Indians. Dr. Umbreit has now performed the very interesting experiment of assembling these "maps" into an atlas, as complete as possible when drawn, with ample space for the owner to make such additions as please him or as the development of knowledge permits. Obviously it is intended to be used as if it were one's own notebook. Up-to-date key references are provided from a few key journals (Dr. Umbreit makes the provocative suggestion that the way to survive the flood of scientific literature is to follow your specialty in a few key journals—you'll save a lot of energy and won't be more than a couple of months behind, at the rate stuff comes out nowadays). There are brief summary comments throughout and each of the 12 chapters is introduced by a sprightly exposition of its scope in a topographic style.

"Metabolic Maps" should have great appeal for the advanced student and investigator of metabolic pathways.

Annual Review of Microbiology, Volume 6. C. E. Clifton, S. Raffel, and H. A. Barker, Ed. Stanford, California: Annual Reviews, Inc.; 1952. ix + 492 pp. \$6.00 (plus shipping).

Contents: Metabolism of Microorganisms, H. C. Lichstein; Nutrition of Microorganisms, J. L. Stokes; Genetics of Microorganisms, R. Kaplan; The Coryneform Bacteria, H. L. Jensen; The Human Rickettsioses, E. J. Bell and C. B. Philip; Classification and Nomenclature of Viruses, C. H. Andrewes; Identification of Virus Infection In Plant Tissue, J. H. Jensen; Nematodes Parasitic on Plants, B. G. Chitwood and B. A. Oteifa; Soil

Microbiology, A. G. Lochhead; The Characterization of Antibodies, E. L. Smith and B. V. Jager; Haemagglutination In Relation To Host Cell-Virus Interaction, F. M. Burnet; Influence Of Age On Susceptibility To Virus Infections With Particular Reference To Laboratory Animals, M. M. Sigel; Toxoplasma and Toxoplasmosis, D. Weinman; Metabolism of Spirochetes, Q. M. Geiman; Recent Advances in The Taxonomy Of Yeasts, L. J. Wickerham; Bacterial Viruses, W. H. Price; The Standardization Of Immunological Substances, O. Maaloe and N. K. Jerne; Associations Between Microorganisms And Higher Plants (Mycorrhiza), J. L. Harley; Antibiotics, W. M. M. Kirby; The Mode Of Action Of Chemotherapeutic Agents, H. W. Julius; Biological Activities Of Metabolic Analogues, W. Shive.

Annual Review of Biochemistry, Volume 21, J. M. Luck, H. S. Loring, and G. MacKinney, Ed. Stanford California: Annual Reviews, Inc.; 1952. ix + 781 pp. \$6.00 (plus shipping).

Contents: Proteolytic Enzymes, A. K. Balls and E. F. Jansen; Nonproteolytic Enzymes, K. I. Altman and A. L. Dounce; Chemistry of The Carbohydrates, R. Montgomery and F. Smith; Chemistry of Lipids, H. J. Deuel, Jr., and R. Alfin-Slater; The Chemistry and Metabolism Of The Steroids, L. T. Samuels and H. Reich; The Chemistry of Amino Acids And Proteins, H. B. Bull; Nucleic Acids, Purines And Pyrimidines, D. O. Jordon; Fat Metabolism, A. C. Frazer; Interrelationships Of Lipid And Carbohydrate Metabolism, K. Bloch; Metabolism Of Amino Acids And Proteins, H. Tarver; Fat-Soluble Vitamins, A. R. Kemmerer; Nutrition, E. J. Bigwood; Chemistry Of Muscle, M. Dubuisson; The Biochemistry of Neoplastic Tissue, P. C. Zamecnik; The Biochemistry Of Antibiotics, T. S. Work; Comparative Biochemistry, M. Florkin; Carotenoids, G. MacKinney; The Alkaloids, L. J. Sargent and L. F. Small; Chromatography, S. Moore and W. H. Stein; Carbohydrate Metabolism, S. Ochoa and J. R. Stern; Chemistry Of The Non-steroid Hormones, C. H. Li and J. I. Harris; Water-Soluble Vitamins Concerned With One-And Two-Carbon Intermediates, A. D. Welch and C. A. Nichol; Biological Oxidations, B. Chance and L. Smith.

Practical Experiments in General Bacteriology, R. C. Hatfield. Dubuque, Iowa: Wm. C. Brown Co.; 1952. 104 pp. \$2.75.

Statistical Methods for Chemical Experimentation (Interscience Manual 1). W. L. Gore. New York: Interscience Publishers, Inc.; 1952. xi + 210 pp. \$3.50.

NEWS ABOUT OUR MEMBERS

Dr. Albert A. Benedict has joined the Virus Laboratory of the University of Texas Medical Branch, Galveston.

Dr. L. Leon Campbell has accepted a National Institutes of Health Fellowship for a year of post-doctorate research with Dr. H. A. Barker at The University of California, Berkeley.

Mr. Robert Deibel received the M.S. degree from the University of Chicago at the spring convocation. Mr. Deibel joined the staff of the Division of Bacteriology of the American Meat Institute Foundation in June.

Dr. C. Dean Dukes has been appointed assistant professor of microbiology at Baylor University.

Dr. Mildred A. Engelbrecht has been elected national president of Sigma Delta Epsilon, graduate women's society.

Dr. Harry E. Goresline has succeeded Dr. Carl S. Pederson as Chief of the Stability Division, Quartermaster Food and Container Institute. Dr. Goresline's transfer to the Department of Defense was recently effected after he had spent twenty-two years with the Department of Agriculture. Dr. Pederson has returned to his previous affiliation with the New York State Agricultural Experiment Station, Geneva, New York.

Dr. Leon Le Beau has been appointed instructor in bacteriology at the College of Medicine, University of Illinois.

Abraham Markowitz received his Ph.D. degree from the University of Southern California in June, 1952. His thesis was entitled, "Chemical and Immunological Studies on a Heterophile Antigen Extracted from Bovine Erythrocyte Stroma." He is now teaching at San Diego State University, San Diego, Cal.

Tod Mittwer received his Ph.D. degree from the University of Southern California in June 1952. His thesis was entitled, "Studies on the Cytology of Yeasts by means of Ultraviolet Photolysis." He is now employed by the Polaroid Company, Cambridge, Mass.

Dr. Darrell Pratt has accepted a Hite post-doctorate fellowship at the University of Texas to work with Dr. Orville Wyss on the genetics of microorganisms.

Miss Beverly St. Clair was awarded the Sigma Alpha Omicron Award for 1952 at the University of Maryland. S. A. O., the honorary society of the Department of Bacteriology, selects each year one of the graduating seniors for this Award for outstanding work in bacteriology. The recipient's name is engraved on a plaque in the departmental library and she receives a year's membership in the S. A. B.

Dr. John L. Schwab has been appointed deputy director of the Biological Laboratories at Camp Detrick, Frederick, Maryland.

Dr. Herbert E. Stokinger has been appointed chief toxicologist in the Division of Occupational Health, U. S. Public Health Service. As head of the Toxicology Section, Occupational Health Field Headquarters in Cincinnati, Dr. Stokinger is in

charge of laboratory investigations in toxicology for the division.

Dr. Thomas L. Thompson has been appointed assistant professor of bacteriology at the University of Nebraska, Lincoln.

NEWS AND MEETINGS OF LOCAL BRANCHES

Allegheny Branch (Gladys Sather, Secretary)

October 11, 1952. The tenth meeting of the Allegheny Branch was held at the Pennsylvania State College, State College, Pennsylvania. Approximately 75 members and guests attended the luncheon and the scientific session which followed, with Dr. J. Frank Cone presiding. Officers for 1953 were elected as follows: President, John M. Slack; President-elect, F. Sargent Cheever; Secretary-Treasurer, Gladys Sather. The scientific program follows:

1. Some aspects of melanin formation in *Bacterium salmonicida*. P. J. Griffin, S. B. Friddle, and S. F. Snieszko, Microbiological Laboratory, U. S. Fish and Wildlife Service, Kearneysville, West Virginia.

2. Influence of the individual observer on the reported incidence of intestinal parasites. John W. King, Cleveland Clinic, Cleveland, Ohio.

3. Some nutritional characteristics of *Bacterium linens* isolated from Trappist cheese. Mary A. Sands and J. Frank Cone, West Virginia University and The Pennsylvania State College.

4. Studies on rosy milk: I. Isolation and identification of rosy species. Daniel L. Jones, Duquesne University.

5. A completely anaerobic technique for diluting germinating spore cultures of *Clostridium botulinum*. Carroll E. Heist, The Pennsylvania State College.

6. Attack of nicotine by microorganisms isolated from tobacco. Ahmed Sabry Abdel-Ghaffar and J. J. Reid, The Pennsylvania State College.

Northern California-Hawaii Branch (Herman J. Phaff, Secretary)

November 14, 1952, Department of Bacteriology and Experimental Pathology, Stanford University, Palo Alto, California. Officers for 1953 were elected as follows: Chairman, Robertson Pratt; Vice-chairman, Sydney Raffel; Secretary-Treasurer, Herman J. Phaff.

1. The mechanism of increased susceptibility to avirulent *Pasteurella pestis* of mice given a sublethal dose of X-irradiation. Myron S. Silverman, Paul H. Chin, John C. Young, and Vivian Greenman, U. S. Naval Radiological Defense Laboratory, San Francisco.

2. Metabolism and nutrition of *Clostridium fesseri*. Charles E. Clifton and Lewis Jones, Department of Bacteriology and Experimental Pathology, Stanford University, Palo Alto.

3. Metamorphosis of an *Arthobacterium* strain in shake culture. Lawrence E. Sacks, Western Regional Research Laboratory, Albany, California.

4. Mechanisms of immunity in tuberculosis. Sydney Raffel, Department of Bacteriology and Experimental Pathology, Stanford University, Palo Alto.

5. Yeasts associated with certain bark beetles. Moshe Shifrine and H. J. Phaff, Department of Food Technology, University of California, Davis.

6. The biosynthesis of D-alanine by *Brucella abortus*. Allen G. Marr, Department of Bacteriology, University of California, Davis.

7. The use of a living streptomycin-dependent strain of *Brucella melitensis* as an immunizing agent. M. Herzberg and S. Elberg, Department of Bacteriology, University of California, Berkeley.

8. Nutritional studies of *Lactobacillus fermenti*. Neba Snell and J. C. Lewis, Western Regional Research Laboratory, Albany, California.

9. Recent electron microscope studies of phage-bacterial relationships. Dean Fraser and R. C. Williams, Biochemistry and Virus Laboratory, University of California, Berkeley.

Southern California Branch (Frances A. Hallman, Secretary)

November 19, 1952, College of Osteopathic Physicians and Surgeons, Los Angeles. Officers for 1953 were elected as follows: President, Meridian R. Ball; Vicepresident, Everett E. Lund; Secretary-Treasurer, Frances A. Hallman.

1. Notes on rapid detection of hydrogen sulfide and acid and gas. Thomas Sharp and Meridian Ball, Department of Bacteriology, University of California at Los Angeles.

2. A method of storing media for individual plates of MacConkey agar and SS agar. Thomas Sharp and Meridian Ball, Department of Bacteriology, University of California at Los Angeles.

3. The production of heterologous cryptagglutinins in rabbits. R. E. Hoyt, Helen Zwicker and Lucille Giordano, Department of Bacteriology and Serology, Cedars of Lebanon Hospital, Los Angeles.

4. Survival of pathogenic fungi in frozen fruits and fruit juices. Kenneth Stump and Milo D. Appleman, Department of Bacteriology, University of Southern California, Los Angeles.

5. The problem of the bacterial species as illustrated in the genus, *Spirillum*. Marion Williams and Sidney C. Rittenberg, Department of Bacteriology, University of Southern California, Los Angeles.

Illinois Branch (Society of Illinois Bacteriologists, Vincent J. Del Giudice, Secretary)

November 7, 1952, Fall Meeting, Elks Club, Springfield, Illinois.

1. A medium for enumerating lactic acid forming bacteria in food products. L. G. Herman, A. M. Brown, and C. H. Dale, Wilson & Co., Chicago, Illinois.

2. The effect of virus concentration in the serological diagnosis of influenza by the modified method of Hirst and Pickels. Robert L. Woolridge and York E. Crawford, Department of Immunology, Naval Medical Research Unit No. 4, USNTC, Great Lakes, Illinois.

3. Toxic algae. Robert M. Scott, Department of Public Health, Springfield, Illinois.

4. Co-operative laboratory diagnosis of enteric infections in Evanston Hospital over a two-year period. Harry B. Harding, Frances Friewer, Jean Ducette, and Mary Robinson; Department of Pathology, Evanston Hospital, Evanston, Illinois; Department of Bacteriology, Northwestern University Medical School; Illinois State Public Health Laboratories, Chicago, Illinois.

5. The amount of scarlatinal antitoxin required for neutralization of toxin and that required for *in vitro* equivalence. Robert K. Jennings, Rheumatic Fever Research Institute, Northwestern University Medical School, Chicago, Illinois.

6. The reliability of coliform most probable number indices. Ralph E. Noble, and Marjorie L. Sutherland, Department of Public Works, Chicago, Illinois, and Department of Biology, Illinois Institute of Technology, Chicago, Illinois.

7. Cinnamycin, an antibiotic from *Streptomyces cinnamomeus*, nov. sp. Robert G. Benedict, William Dvornch, Odette L. Shotwell, Thomas Pridham, and Lloyd A. Lindenfelser, Fermentation Division, Northern Regional Research Laboratory, Peoria, Illinois.

8. Nutrition of *Agaricus campestris*. F. M. Clark, N. U. Rao, and R. L. Raymond, Department of Bacteriology, University of Illinois, Urbana, Illinois.

9. Special Lecture: Cellular organization and differentiation in simple slime mold. K. B. Raper, Northern Regional Research Laboratory, U. S. D. A., Peoria, Illinois.

Kentucky-Tennessee Branch (Ilda McVeigh, Secretary)

October 24-25, 1952. The Fall meetings of the Kentucky-Tennessee Branch were held on the campus of Vanderbilt University, Nashville, Tenn. Officers for 1953 were elected as follows: President, J. Orvin Mundt; Vicepresident, James C. Humphries; Secretary-Treasurer, Ilda McVeigh. The following papers were presented during the scientific sessions.

1. A correlation of the bactericidal rate of penicillin on *Micrococcus pyogenes* var. *aureus* IA with age of culture and concentration of antibiotic. Ilda McVeigh and John F. Rutledge, Jr., Department of Biology, Vanderbilt University, Nashville, Tennessee.

2. Cytology of a stalked bacterium from well water. E. A. Grula and R. H. Weaver, Department of Bacteriology, University of Kentucky, Lexington, Kentucky.

3. The synthesis of alanine by *Salmonella pullorum*. A. Warren Jones, Jr., and D. Frank Holtman, Department of Bacteriology, University of Tennessee, Knoxville, Tennessee.

4. The role of the heat stable antigen in the serological classification of the proteolytic clostridia. James W. Mandia, Department of Animal Pathology, University of Kentucky, Lexington, Kentucky.

5. The nutrition of *Schizosaccharomyces pombe* strain Y658. Everett Bracken and Ilda McVeigh, Department of Biology, Vanderbilt University, Nashville, Tennessee.

6. Electron microscopy of *Pseudomonas aeruginosa* bacteriophage. O. F. Edwards and C. H. Domermuth, Department of Bacteriology, University of Kentucky, Lexington, Kentucky.

7. Chromatographic methods as applied to the polysaccharides of *Serratia marcescens*. W. J. Payne and A. L. Pollard, Department of Bacteriology, University of Tennessee, Knoxville, Tennessee.

8. Post radiation loss at ATP from *Escherichia coli* B/r⁺. D. Billen, B. L. Strehler, and G. E. Stapleton, Biology Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

9. Failure of DNA extracts of *Klebsiella pneumoniae* to produce type transformation. A. Balows and R. H. Weaver, Department of Bacteriology, University of Kentucky, Lexington, Kentucky.

10. Multiplication of the Lansing poliomyelitis virus in cortisone treated chick embryos. Wolcott B. Dunham, Frances M. Ewing, and Isabel Dunham, Medical Teaching Group, Kennedy Hospital, Memphis, Tennessee.

11. The utilization of purines, pyrimidines, and related substances by *Neurospora*. Frederick T. Wolf, Department of Biology, Vanderbilt University, Nashville, Tennessee.

12. Utilization of ammonia, nitrate, and nitrite nitrogen by three strains of *Escherichia coli*. Gerald Dvorsky and Ilda McVeigh, Department of Biology, Vanderbilt University, Nashville, Tennessee.

13. Cultivation of equine abortion virus in tissue culture. Charles C. Randall, Fred G. Ryden, E. R. Doll, and Fred G. Schell, Department of Pathology, Vanderbilt University, Nashville, Tennessee, and the Department of Animal Pathology, University of Kentucky, Lexington, Kentucky.

Michigan Branch (Elizabeth J. Cope, Secretary)

December 6, 1952, Sheraton-Cadillac Hotel, Detroit.

1. The effect of Versene in hard waters on the germicidal behavior of quaternary ammonium compounds. Frank R. Peabody and W. L. Mallmann, Bacteriology Department, Michigan State College, East Lansing.

2. *In vitro* studies on isoniazid resistance of the tubercle bacillus. Myron Fisher, Parke, Davis & Co., Detroit.

3. Changing epidemiology of disease in the State of Michigan. Dr. Leeder, Epidemiologist, Michigan State Health Department, Lansing.

4. Increased CO₂ tension versus aerobiosis for routine hospital cultures. L. Mattman et al., Bacteriology Laboratories of Wayne University (Liberal Arts College), Detroit.

5. Isolation and identification of sulfur bacteria from decomposing concrete. Arthur Barbiers, Upjohn Company, Kalamazoo.

6. Electron microscopy of viruses. A. Taylor, Parke, Davis & Co., Detroit.

7. Tryptozan, a competitive inhibitor of tryptophan metabolism. H. O. Halvorson, University of Michigan, Ann Arbor.

8. Laboratory studies on histoplasmin. A. Hilligas, Parke, Davis and Co., Detroit.

9. The demonstration of a respiratory stimulator in embryonated egg-virus systems. R. A. Diem, B. C. Smith, and Wm. F. McLimans, Upjohn Company, Kalamazoo.

10. The effect of ultraviolet light on immune serum. Jack Batisto and Ross B. Pringle, University of Michigan, Ann Arbor.

Missouri Valley Branch (Carl E. Georgi, Secretary)

April 11-12, 1952. The annual meeting of the Missouri Valley Branch was held in the Biology Building of the University of Oklahoma at Norman, Oklahoma. Officers for 1952-53 were elected as follows: President, John O. Harris; Vice-president, Theodore G. Metcalf; Secretary-Treasurer, Carl E. Georgi. The scientific program opened with a talk before the graduate student seminar by Dr. Martin Frobisher, Jr. on the evening of April 10. Dr. Frobisher also gave the banquet address on the 11th, on the subject, "The Dis-

covery of Jungle Yellow Fever." The main scientific program follows.

1. Studies on *Rickettsia akari*. Leonard Rozin and Cora M. Downs, University of Kansas, Lawrence.

2. The effects of temperature upon multiplication of *Bacterium tularensis* within an arthropod host. Cluff E. Hopla, University of Oklahoma, Norman.

3. A possible symbiosis in *Trichophyton* infections. J. Bennett Clark, University of Oklahoma, Norman.

4. A study of the survival of *Histoplasma capsulatum* in water. Cassandra Ritter, Felix A. Pileggi, and Ralph W. Mitchell, Division of Sanitation, Kansas State Board of Health, Lawrence.

5. Phage types of *Salmonella typhosa* in Kansas. Carolyn Collins, Flora McKinley, and Charles A. Hunter, Division of Public Health Laboratories, Kansas State Board of Health, Topeka.

6. A new medium for the growth of streptococci and its application to swimming pool analysis. Helen Boxell, Oklahoma State Health Department, Oklahoma City.

7. Growth of certain psychrophilic *Pseudomonas* types and other bacteria in egg white. W. A. Miller, Kansas State College, Manhattan.

8. The stimulation of recombination in *Escherichia coli* K-12 by use of chemicals. J. Bennett Clark, University of Oklahoma, Norman.

9. What is the status of the genus, *Mycoplasma*? R. G. Garrison and T. H. Lord, Kansas State College, Manhattan.

10. Evidence of peptide synthesis by cell-free preparations. David Paretsky and M. Melas, University of Kansas, Lawrence.

11. Sporadic bovine encephalomyelitis: Studies on the etiology of the disease. Herbert A. Wenner, Te Wen Chang, and William Harsfield, University of Kansas Medical Center, Kansas City.

12. A simple micromanipulator made of polystyrene. T. S. Kyle, University of Nebraska School of Medicine, Omaha, and A. Eisenstark, Kansas State College, Manhattan.

13. Nuclear activity in *Gaffkya tetragena*. H. L. Chance, University of Oklahoma, Norman.

14. Cytokinesis in *Gaffkya tetragena*. H. L. Chance, University of Oklahoma, Norman.

15. Some observations of the large bodies of a gram positive spore-former. Moselio Schaechter, University of Kansas, Lawrence.

16. The iso-electric point of bacterial cells. Virginia P. Harden and John O. Harris, Kansas State College, Manhattan.

New Jersey Branch (The Theobald Smith Society, Marjorie A. Darken, Secretary.)

October 23, 1952, Research Center, Johnson and Johnson, New Brunswick, N. J.

1. Rickettsiae and insects. Samuel R. Dutky, U. S. Department of Agriculture, Beltsville, Md.

2. Insect transmission of virus diseases of plants. Robert S. Filmer, Department of Entomology, College of Agriculture, Rutgers University, New Brunswick, N. J.

November 20, 1952, Agricultural Experiment Station, Rutgers University, New Brunswick, N. J. The scientific program was devoted to a discussion of the microbial decomposition of cellulose, as follows.

1. Introduction. Selman A. Waksman, Rutgers University.

2. Microbiological and biochemical aspects of cellulose decomposition. Ralph G. H. Siu and Elwyn T. Reese, Pioneering Research Laboratories, U. S. Army Quartermaster Corps, Philadelphia, Pa.

3. Microbial decomposition of paper mill wastes. Hovhannes Heukelekian and Nicholas J. Lardieri, Department of Sanitation, College of Agriculture, Rutgers University.

Central New York Branch (Erwin Neter, Secretary)

November 8, 1952. The 63rd semi-annual meeting was held at the New York State Agriculture Experiment Station in Geneva. Dr. D. W. Bruner presided and 47 members and guests were present. Especially welcome were several guests from Canada, who contributed to the program. Officers for 1953 were elected as follows: President, George A. Hunt; Vicepresident, Harry W. Seeley, Jr.; Secretary-Treasurer, Erwin Neter. It was voted to hold the next meeting in the spring of 1953 at Cornell University, Ithaca, in collaboration with bacteriologists from Pennsylvania State College.

1. Isolation in 1952 of *Escherichia coli* 0111 from infants suffering from epidemic diarrhea during two severe hospital outbreaks in 1947. Erwin Neter and Nellie Zalewski, Children's Hospital and University of Buffalo, Buffalo.

2. The *in vitro* effects of neomycin on serogroups of *Escherichia coli* associated with infantile diarrhea. Eugene A. Gorzynski, Children's Hospital, Buffalo.

3. Utilization of tryptophan by the coliform group. Erwin Lessel, New York State Agricultural Experiment Station, Geneva.

4. Some preliminary observations on the nutritional requirements of *Haemophilus pertussis*. R. J. Wilson, Connaught Medical Research Laboratories, Toronto.

5. A nutritional study of the genus *Pediococcus*. Erling Jensen, Cornell University, Ithaca.

6. Attempts to extract the capsular antigen of a strain of type A *K. pneumoniae*. John T. Bryans, Cornell University, Ithaca.

7. Bacterial factors in non-specific gingivitis. Stig Schultz-Hauidt, Eastman Dental Dispensary, Rochester.

8. Histopathological study of a fatal case of

chickenpox. Howard B. Slavin, University of Rochester, Rochester.

9. Coxsackie infections in Ontario, 1952. William Wood, Connaught Medical Research Laboratories, Toronto.

10. The effect of bacterial flora on the fermentation of cucumbers. Carl S. Pederson and Margaret N. Albury, New York State Agricultural Experiment Station, Geneva.

11. Some physiological reactions of *Myxococcus stipitatus*. William Clark, Cornell University, Ithaca.

12. The effect of low concentration of oxygen upon flat-sour spoilage. Andrew Rice, New York State Agricultural Experiment Station, Geneva.

Eastern New York Branch (Hazel V. Roberts, Secretary)

November 21, 1952. The Fall Meeting of the Eastern New York Branch was held at the Veterans Administration Hospital, Albany, following an informal dinner in the Doctors Dining Room of the Albany Hospital.

1. Preliminary studies on growth and biochemical differences between strains of tubercle bacilli sensitive and resistant to streptomycin. Charles Hurwitz, Veterans Administration Hospital, Albany.

2. Virus detection methods in water and sewage. Sally M. Kelly, Division of Laboratories and Research, N. Y. State Department of Health, Albany.

3. Colloidal association and biologic activity of some quarternary ammonium salts. Discussion by Sydney Ross, Rensselaer Polytechnic Institute; by John Hays Bailey, Sterling-Winthrop Research Institute, Rensselaer; and by Charles E. Kwartler, formerly of the Sterling-Winthrop Research Institute.

New York City Branch (Ernest M. Weber, Secretary)

November 19, 1952. Combined meeting with the Section on Microbiology, The New York Academy of Medicine, devoted to the subject: Bacterial Genetics.

1. Enzyme formation and its genetic control. Charles Yanofsky, Yale University, New Haven, Connecticut.

2. Production of a qualitatively altered enzyme by a temperature-sensitive mutant. Werner K. Maas, Tuberculosis Research Laboratory, U. S. P. H. S., Cornell University Medical College, New York.

3. Effect of temperature on bacterial mutations. Evelyn Witkin, Carnegie Institution of Washington, Cold Spring Harbor, New York.

4. Discussion of papers. David Bonner, Yale University, New Haven, Connecticut and Francis J. Ryan, Columbia University, New York.

Northeast Branch (Genevieve Young, Secretary) **November 14, 1952.** The Fall meeting of the Northeast Branch was held in the Sloan Building, Massachusetts Institute of Technology, Cambridge, Massachusetts. Dr. J. Howard Mueller presided. Officers for 1953 were elected as follows: President, Matthew A. Derow; Vicepresident, Harry E. Bowen; Secretary-Treasurer, Genevieve Young.

1. The effect of certain corticosteroids, adrenocorticotrophic hormone, and growth hormone on resistance of mice to experimental pneumococcal and influenza viral infections. Edward H. Kass, Marguerite M. Lundgren, and Maxwell Finland, Thorndike Memorial Laboratory, Second and Fourth Medical Services (Harvard), Boston City Hospital and the Department of Medicine, Harvard Medical School, Boston, Massachusetts.

2. Increasing resistance of staphylococci to commonly used antibiotics. Maxwell Finland and Thomas H. Haight, Thorndike Memorial Laboratory, Second and Fourth Medical Services (Harvard), Boston City Hospital and the Department of Medicine, Harvard Medical School, Boston, Massachusetts.

3. Unusually high rate of auxotrophic mutation in a strain of *E. coli*. Avram Goldstein, Department of Pharmacology, Harvard Medical School, Boston, Mass.

4. The effect of ultraviolet and photoreactivating light on nucleic acid synthesis in *E. coli*. Albert Kelner, Brandeis University, Waltham, Mass.

5. Special Lecture: Genetic studies with enteric bacteria. Joshua Lederberg, University of Wisconsin, Madison.

Ohio Branch (Duane T. Maunder, Secretary)

November 15, 1952. The Ohio Branch met on the campus of the Ohio State University, Columbus. Officers for 1953 were elected as follows: President, Jackson W. Riddle; Vicepresident, Robert F. Parker; Secretary-Treasurer, Duane T. Maunder. The following papers were presented:

1. Oxidation of glucose by *Pseudomonas* extracts. Robert Eagon and Chester I. Randles, Department of Bacteriology, Ohio State University, Columbus.

2. Discussion: The application of infra red spectrophotometry in microbiology. Heber J. R. Stevenson and Seymour Levine, Bacteriology Section, Environmental Health Center, U. S. P. H. S., Cincinnati.

3. Discussion: A preliminary study on the survival of *Histoplasma capsulatum* in water. William Bridge Cooke, Bacteriology Section, Environmental Health Center, U. S. P. H. S., Cincinnati.

4. Microscopic characteristics of colonies of *Shigella Flexneri* II and their relation to virulence

and immunogenicity. Merlin L. Cooper, Helen M. Keller, and Edward W. Walters, Children's Hospital Research Foundation, Cincinnati.

5. The microscopic recognition of colonies of *Shigella* on original plates of stool cultures. Edward W. Walters, Merlin L. Cooper, and Helen M. Keller, Children's Hospital Research Foundation, Cincinnati.

6. The effect of adrenal steroids on the immunological response to diphtheria toxoid. B. H. Sweet, Children's Hospital Research Foundation, Cincinnati.

7. Infection of swine with *Leptospira pomona*. R. W. Hill, E. H. Bohl, and L. C. Ferguson, Department of Bacteriology, Ohio State University, Columbus.

8. The morphology of the cultivable Reiter and Nichols strains of *Treponema pallidum*. William B. Beardmore and Matt C. Dodd, Department of Bacteriology, Ohio State University, Columbus.

9. Some observations on the nature of the tuberculin reaction. Noreen B. Price and J. M. Birkeland, Ohio Tuberculosis Hospital and the Department of Bacteriology, Ohio State University, Columbus.

Eastern Pennsylvania Branch (Ruth E. Miller, Secretary)

November 25, 1952. The 231st meeting of the Eastern Pennsylvania Branch was held at the Philadelphia County Medical Society Building. The scientific portion of the meeting was devoted to a symposium on "The Role of Microbiology in Biochemistry."

1. The use of microbiological methods for the study of biochemical pathways. Joseph S. Gots, Department of Microbiology, School of Medicine, University of Pennsylvania.

2. Contributions of virus research to biochemistry. Seymour S. Cohen, Children's Hospital, University of Pennsylvania.

3. Application of microbial nutrition in biochemical research. Helen R. Skeggs, Medical Research Division, Sharp and Dohme, Inc.

Texas Branch (Frank B. Engley, Jr., Secretary)

October 31–November 1, 1952. The Fall meeting of the Texas Branch was held in the auditorium of the Texas State Medical Library in Austin. Officers for 1953 were elected as follows: President, J. B. McBryde; Vicepresident, Orville Wyss; Secretary-Treasurer, Frank B. Engley, Jr. The I. M. Lewis Lecture was delivered by Dr. Nester Bohonos of Lederle Laboratories, Pearl River, N. Y., on the subject, "In vitro Testing of Sensitivity to Antibiotics." The principal part of the scientific program follows.

1. Toxicity of copper for *Mycobacterium phlei*. Darrell Pratt, Department of Bacteriology, University of Texas, Austin.

2. Antagonism of erythromycin to pantothenate, B-alanine and 1-carnosine in growth of *Corynebacterium diphtheriae*. Robert G. Brown, Department of Pharmacology and Toxicology, University of Texas, Medical Branch, Galveston.

3. Influence of streptomycin upon population-dynamics during growth of chlorophyll+ and chlorophyll-less protista. J. Cooke, R. B. Mefferd, Jr., and J. B. Loefer, Southwest Foundation for Research and Education, San Antonio, Texas.

4. Germination of *Clostridium* spores in buffered glucose solutions. Donald A. Mehl and E. Staten Wynne, Division of Experimental Pathology, University of Texas, M. D. Anderson Hospital for Cancer Research, Houston.

5. Thermophilic germination of spores of mesophilic *Clostridium* species. E. Staten Wynne and Donald A. Mehl, Division of Experimental Pathology, University of Texas, M. D. Anderson Hospital for Cancer Research, Houston.

6. Studies on acid-fast organisms in the cockroach (*Periplaneta americana*). Don W. Micks and Oleta B. McShan, Department of Preventive Medicine and Public Health and Department of Bacteriology and Parasitology, University of Texas Medical Branch, Galveston.

7. Environmental control of pigmentation in *Serratia marcescens*. R. B. Mefferd, Jr., and J. B. Loefer, Southwest Foundation for Research and Education, San Antonio, Texas.

8. Recent bacteriologic developments in Finland. Etta Macdonald, The University of Texas Medical Branch, Galveston.

9. On the origin of penicillinase-producing resistant staphylococci. Ara F. Roy and C. E. Lankford, State Department of Health and the University of Texas, Austin.

10. Complement fixation reaction in serum hepatitis. Morris Pollard and Robert Bussell, University of Texas Medical Branch, Galveston.

11. Antibacterial activity of normal blood and serum. Frank B. Engley, Jr., and Martha Jordan, Department of Bacteriology and Parasitology, University of Texas Medical Branch, Galveston.

12. The stability of stock typhoid vaccine suspensions as determined by total nitrogen determinations and the bacterial count. D. J. Hahn, E. B. M. Cooke, and J. H. Arnett, Texas State Department of Health, Austin.

13. Characterization of an antigen for the detection of cutaneous hypersensitivity in brucellosis. Albert A. Benedict and Sanford S. Elberg, Virus Research Laboratory, University of Texas Medical Branch, Galveston, and Department of Bacteriology, University of California, Berkeley.

14. Electron micrographic studies of the yeast cell. S. O. Brown and A. L. Parrack, Department of Biology and Department of Chemistry, Texas A. & M. College, College Station.

15. A comparison of certain ion exchange resins

with collodion particles in agglutination. Paul Donaldson and Winona Humes, Department of Bacteriology and Immunology, The Southwestern Medical School of the University of Texas, Dallas.

16. Serum antitrypsin titre in tuberculosis. K. L. Burdon, E. L. Artman, and W. J. Falberg, Department of Bacteriology, Baylor Medical School, Houston.

17. The influence of urethane on the susceptibility of adult mice to coxsackie viruses. Craig Wallis and S. Edward Sulkin, Department of Bacteriology and Immunology, The Southwestern Medical School of the University of Texas, Dallas.

18. Further studies on ornithosis in poultry plant workers. Thelma D. Sullivan, J. V. Irons, and M. L. Denley, Texas State Department of Health, Austin.

19. The pathology of an uncharacterized cerebral cortical lesion in laboratory rabbits, with a report on three affected colonies. Melvin Schade-wald, Department of Pharmacology and Toxicology, University of Texas Medical Branch, Galveston.

20. Effect of antibiotics on intestinal *Colostridia* in chicks. J. F. Elam and J. R. Couch, Department of Biochemistry and Nutrition, Texas A. & M. College, College Station.

21. Effect of dietary bacterial cultures on growth of fecal microflora of chicks. G. W. Anderson, Department of Bacteriology. Ontario Agricultural College, Guelph, Canada.

Virginia Branch (H. J. Welshimer, Secretary)

December 6, 1952. The Fall meeting was held under the auspices of the Department of Microbiology, School of Medicine, University of Virginia, Charlottesville. Officers for 1953 were elected as follows: Chairman, W. French Skinner; Vicechairman, P. Arne Hansen; Secretary-Treasurer, H. J. Welshimer. The following scientific papers were presented.

1. A study of dogs as vectors of *Salmonella* in the area of Richmond, Virginia. William P. Bennett, Department of Biology, University of Richmond, Richmond.

2. Rice products in the cultivation of *Endamoeba histolytica*. E. Clifford Nelson and Muriel M. Jones, Department of Bacteriology and Parasitology, Medical College of Virginia, Richmond.

3. Beneficial effects of egg white in viral complement fixation tests. C. A. Crooks, Jr., City Health Department, Richmond.

4. Techniques for making permanent reading standards for the determination of total proteins in spinal fluid specimens. C. A. Crooks, Jr., City Health Department, Richmond.

5. A microcolony technique for the rapid determination of bacterial sensitivity to antibiotics. H. J. Welshimer, Muriel M. Jones, and C. D.

Gibson, Jr., Departments of Bacteriology and Parasitology, and Medicine, Medical College of Virginia, Richmond, Virginia.

Washington, D. C. Branch (Bernice Eddy, Secretary)

October 28, 1952. The 187th meeting of the Washington Branch was held at the Army Medical Service Graduate School, Walter Reed Army Medical Center.

1. Psychophilic and other bacterial contaminants from human blood and blood derivatives. Margaret Pittman, Laboratory of Biologics Control, National Microbiological Institute, National Institutes of Health.

2. Use-dilution confirmation tests for results

secured by phenol coefficient methods. L. S. Stuart, L. F. Ortenzio, and J. F. Friedl, Insecticide Division, Livestock Branch, Production and Marketing Administration, U. S. Department of Agriculture.

3. Studies on erythromycin: bacterial spectrum and blood concentrations. H. Welch, F. D. Hendricks, and R. J. Reedy, Division of Antibiotics, Food and Drug Administration.

December 2, 1952. The 188th meeting was held also at the Army Medical Service Graduate School. The Scientific portion of the meeting was devoted to a presentation by Maurice R. Hilleman, Department of Virus and Rickettsial Diseases, Army Medical Department Research and Graduate School, on the Subject, "Approach to the Control of Pandemic Influenza."

NEW MEMBERS

New Emeritus Members

Hooker, Sanford Burton, 80 E. Concord St., Boston 18, Mass.
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